

### Abstract

A light applicator and a method for producing a diffuser

5 A light applicator (27) for medical applications is proposed  
whose diffuser (1) comprises diffusion regions (7, 8, 9) with  
paraboloidal boundary surfaces (11, 12) This configuration of  
the diffuser (1) permits a particularly good homogenization  
of the distribution of light along the longitudinal axis of  
10 the diffuser (1).

Fig. 5